

**ABSTRACT**

A system and method for hardening a logic circuit against radiation-event effects is provided. The system may include a logic circuit, first and second feed-forward devices, and first and second feedback devices. The logic circuit may be operable to output  
5 independently-obtained first and second redundant signals responsive to a desired input signal. Each of the first and second feed-forward devices may receive both of the first and second redundant signals. When the first and second redundant signals are in expected states, then the first and second feed-forward devices may responsively provide respective first and second feed-forward signals. Each of the first and second feedback devices may  
10 receive both of the first and second feed-forward signals. When the first and second feed-forward signals are in expected states, then the first and second feedback devices responsively feed respective first and second feedback signals back to the respective first and second redundant signals.